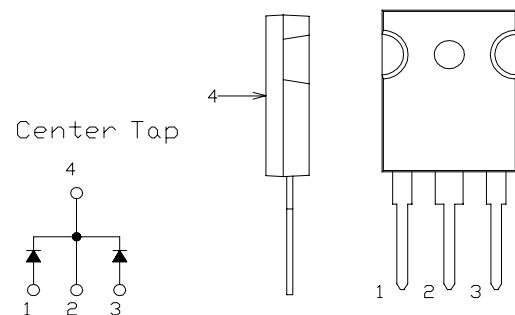


FRD Type : KCF25A40

OUTLINE DRAWING

FEATURES

- * Similar to TO-247AC (TO-3P) Case
- * Dual Diodes – Cathode Common
- * Ultra – Fast Recovery
- * Low Forward Voltage Drop
- * High Surge Capability
- * 200 Volts thru 400 Volts Types Available



Maximum Ratings

Approx Net Weight: 5.55g

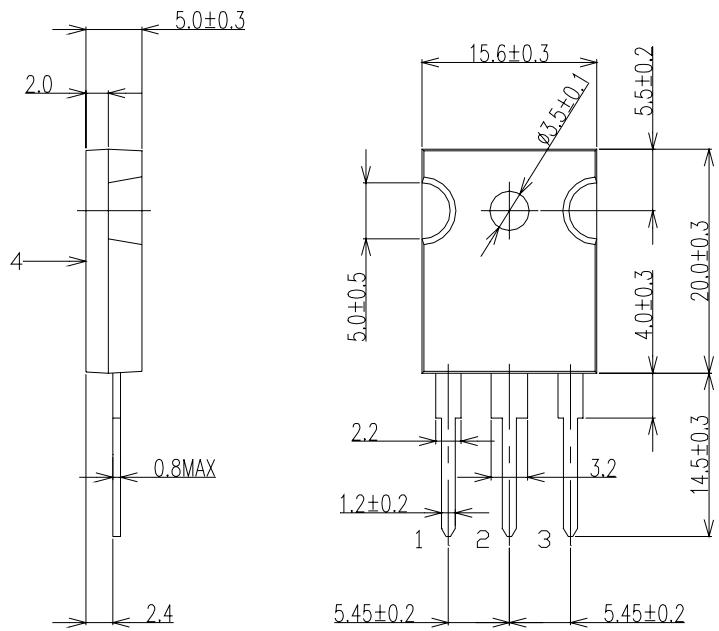
Rating	Symbol	KCF25A40			Unit	
Repetitive Peak Reverse Voltage	V_{RRM}	400			V	
Non-repetitive Peak Reverse Voltage	V_{RSM}	440			V	
Average Rectified Output Current	I_o	25	$T_c=85^\circ C$	50 Hz, Full Sine Wave Resistive Load	A	
RMS Forward Current	$I_{F(RMS)}$	28			A	
Surge Forward Current	I_{FSM}	150	50 Hz Full Sine Wave, 1cycle Non-repetitive			A
Operating Junction Temperature Range	T_{jw}	- 40 to + 150			°C	
Storage Temperature Range	T_{stg}	- 40 to + 150			°C	
Mounting torque		0.5	Recommended value			N·m

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	$T_j=25^\circ C, V_{RM}=V_{RRM}$ per Arm	-	-	50	µA
Peak Forward Voltage	V_{FM}	$T_j=25^\circ C, I_{FM}=12.5A$ per Arm	-	-	1.25	V
Reverse Recovery Time	trr	$I_{FM}=10 A, -di/dt= 50 A/\mu s, T_a= 25^\circ C$	-	-	50	ns
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	2	°C/W



KCF25A40 OUTLINE DRAWING (Dimensions in mm)



Center Tap

